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STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
AND ENVIRONMENTAL CONTROL
DIVISION OF AIR AND WASTE MANAGEMENT
715 GRANTHAM LANE
NEW CASTLE, DELAWARE 19720-4801

WASTE MANAGEMENT SECTION

TELEPHONE: (302) 323 - 4540

January 30, 1990

Robert J. Touhey, P.E.
Assistant Vice President
Environmental Affairs
Standard Chlorine of Delaware, Inc.
Governor Lea Road
P.O. Box 319
Delaware City, Delaware 19706

RE: Fish Tissue Extraction and Analytical Methodologies

Dear Mr. Touhey:

Attached you will find copies of Special Analytical Service (SAS) requests prepared by U. S. EPA Region III's Central Regional Laboratory (CRL). These SASs were prepared to address extraction and analysis of various chemicals in fish tissues. These tissues are to be collected from fish in Red Lion Creek as part of the planned Remedial Investigation (RI) at the Standard Chlorine site.

The first SAS addresses extraction and analysis of volatile and semivolatile components. A method prepared by Woods and Blazeovich (1989) is attached for reference.

The second SAS addresses extraction and analysis of pesticides and PCBs. A method prepared by Murphy (1972) is attached. Unfortunately this attachment is a poor copy and hence difficult to read. Also, specific notes handwritten onto the copy by EPA are difficult to follow and require further clarification by EPA. I will clarify this information to you as soon as I receive it. I have also ordered a better copy of the reference but that may take several weeks to obtain as it is from the Journal of AOAC dating back to 1972. Perhaps Weston may be able to obtain a copy for you more expeditiously.

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The third SAS request addresses extraction and analysis of metals. Unfortunately, no method is attached. Reference is made to CLP-SOW 7/88 with revisions. I have ordered this from EPA's Sample Management Office and will pass a copy onto you upon receipt. Again, Weston may be able to obtain a copy for you or may have a copy on file already.

The procedures presented in the SASs will be followed by EPA in their analysis of split samples. I am passing the procedures on to you so that arrangements can be made with Weston for them to run the same analyses. I am aware the collection of these samples is scheduled to begin March 5, 1990 and will do what I can to resolve any outstanding issues as quickly as possible. Thank you for your continued patience on this matter.

Sincerely,



Diane E. Wehner
Project Officer
Superfund-Remedial

DEW:sfh
DEW2296

Attachments

cc: Robert Guarni, USEPA (3HW25)
Gary A. Molchan
N. V. Raman

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